

UNCLASSIFIED

| Exhibit R-2, RDT&E Budget Item Justification: FY 2018 Army | | | | | | | | | | Date: May 2017 | | |
|---|-------------|---------|---------|--------------|---|---------------|---------|---------|---------|----------------|------------------|------------|
| Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army I BA 7: Operational Systems Development | | | | | R-1 Program Element (Number/Name) PE 0205778A I Guided Multiple-Launch Rocket System (GMLRS) | | | | | | | |
| COST (\$ in Millions) | Prior Years | FY 2016 | FY 2017 | FY 2018 Base | FY 2018 OCO | FY 2018 Total | FY 2019 | FY 2020 | FY 2021 | FY 2022 | Cost To Complete | Total Cost |
| Total Program Element | - | 36.032 | 38.044 | 102.807 | - | 102.807 | 164.015 | 131.354 | 51.665 | 65.561 | Continuing | Continuing |
| EG2: GMLRS Alternative Warheads | - | 0.306 | 0.000 | 0.000 | - | 0.000 | 0.000 | 11.700 | 14.700 | 24.700 | 0.000 | 51.406 |
| EG3: Guided MLRS | - | 35.726 | 38.044 | 102.807 | - | 102.807 | 164.015 | 119.654 | 36.965 | 40.861 | Continuing | Continuing |

A. Mission Description and Budget Item Justification

Projects EG2/EG3. GMLRS rockets are surface-to-surface artillery rockets fired from the Multiple Launch Rocket System (MLRS) and High Mobility Artillery Rocket System (HIMARS) launchers. GMLRS rockets provide 24/7, all-weather precision fires to engage both area and point targets at short, medium, and long ranges.

The GMLRS Program consists of three separate increments: GMLRS Dual Purpose Improved Conventional Munition (DPICM) cluster munition to engage area or imprecisely located targets; GMLRS Unitary utilizes a 200 pound high explosive warhead to engage point targets with limited collateral damage; and GMLRS Alternative Warhead (AW) which has been developed as a non-cluster munition to replace GMLRS DPICM. GMLRS DPICM Production was terminated in response to the June 2008 Department of Defense (DoD) Cluster Munitions Policy. GMLRS Unitary is currently in full rate production. GMLRS AW entered full rate production in FY 2015. The GMLRS AW rocket is 90% common with the Unitary variant.

The first increment was GMLRS DPICM. The second increment is GMLRS Unitary. The third increment is GMLRS AW. The fourth increment evolved into the Long Range Precision Fires (LRPF) program under a separate program element.

The GMLRS program will continue to leverage ongoing Science & Technology (S&T) efforts to extend range and increase survivability. The GMLRS extended range effort will be approximately 85% common with Increments 2 and 3. It will extend the current GMLRS capability to 150 km and allow for potential future growth capability in the payload section.

The FY2018 dollars in the amount of \$102.807 million will complete the testing and qualification of the Insensitive Munitions Propulsion System (IMPS); continue qualification of key rocket obsolescence upgrades (including the M-Code compliant NAVSTRIKE-M upgrade); evaluate rocket pod improvements; and initiate the design, qualification and testing of an extended range variant of the GMLRS.

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| Exhibit R-2, RDT&E Budget Item Justification: FY 2018 Army | | | | Date: May 2017 | |
| Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army I BA 7: Operational Systems Development | | R-1 Program Element (Number/Name) PE 0205778A I Guided Multiple-Launch Rocket System (GMLRS) | | | |
| B. Program Change Summary (\$ in Millions) | FY 2016 | FY 2017 | FY 2018 Base | FY 2018 OCO | FY 2018 Total |
| Previous President's Budget | 36.727 | 22.044 | 30.177 | - | 30.177 |
| Current President's Budget | 36.032 | 38.044 | 102.807 | - | 102.807 |
| Total Adjustments | -0.695 | 16.000 | 72.630 | - | 72.630 |
| • Congressional General Reductions | - | - | | | |
| • Congressional Directed Reductions | - | - | | | |
| • Congressional Rescissions | - | - | | | |
| • Congressional Adds | - | - | | | |
| • Congressional Directed Transfers | - | - | | | |
| • Reprogrammings | - | - | | | |
| • SBIR/STTR Transfer | -0.695 | - | | | |
| • Adjustments to Budget Years | 0.000 | 0.000 | -5.670 | - | -5.670 |
| • PDM Directed | 0.000 | 0.000 | 41.700 | - | 41.700 |
| • AIAMD Funding Moves | 0.000 | 0.000 | 36.600 | - | 36.600 |
| • Amended FY2017 | 0.000 | 16.000 | 0.000 | - | 0.000 |
| Change Summary Explanation | | | | | |
| FY 2016 funding change due to SBIR/STTR transfer. FY 2017 funding was increased by \$16.000 million in support of the M-Code effort. FY 2018 funding was reduced by -\$5.670 million to account for the availability of prior year execution balances. FY 2018 funding was increased by \$78.300 million in support of the GMLRS extended range effort. | | | | | |

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|---|----------------|---------|---------|-----------------|--|------------------|---------|---------|---|----------------|---------------------|---------------|
| Appropriation/Budget Activity 2040 / 7 | | | | | R-1 Program Element (Number/Name) PE 0205778A / Guided Multiple-Launch Rocket System (GMLRS) | | | | Project (Number/Name) EG2 / GMLRS Alternative Warheads | | | |
| COST (\$ in Millions) | Prior Years | FY 2016 | FY 2017 | FY 2018 Base | FY 2018 OCO | FY 2018 Total | FY 2019 | FY 2020 | FY 2021 | FY 2022 | Cost To Complete | Total Cost |
| EG2: GMLRS Alternative Warheads | - | 0.306 | 0.000 | 0.000 | - | 0.000 | 0.000 | 11.700 | 14.700 | 24.700 | 0.000 | 51.406 |
| Quantity of RDT&E Articles | - | - | - | - | - | - | - | - | - | - | | |

A. Mission Description and Budget Item Justification

The United States (U.S.) Army funded the development of the Guided Multiple Launch Rocket System (GMLRS) Alternative Warhead (AW) increment under the EG2 - GMLRS AW project code. GMLRS AW has been developed as a non-cluster munition to replace GMLRS Dual Purpose Improved Conventional Munitions (DPICM) and service the same area and imprecisely-located targets. GMLRS DPICM Production was terminated in response to the June 2008 Department of Defense (DoD) Cluster Munitions Policy.

GMLRS AW successfully completed the combined Milestone C (MS C) and Full Rate Production (FRP) decision review on 8 April 2015. Initial Operational Capability (IOC) quantity of 54 pods delivered in September 2016. Full Materiel Release occurred in November 2016. The acquisition strategy is to procure AW as part of the annual GMLRS FRP contract.

B. Accomplishments/Planned Programs (\$ in Millions)

| | FY 2016 | FY 2017 | FY 2018 Base | FY 2018 OCO | FY 2018 Total |
|--|----------------|----------------|---------------------|--------------------|----------------------|
| Title: Conduct Development Engineering, Design Component Testing, and Performance Analysis. | 0.306 | - | - | - | - |
| Description: Funding is provided for the following effort | | | | | |
| FY 2016 Accomplishments: Completed test reports and performance assessments. | | | | | |
| Accomplishments/Planned Programs Subtotals | 0.306 | - | - | - | - |

C. Other Program Funding Summary (\$ in Millions)

| Line Item | FY 2016 | FY 2017 | FY 2018 Base | FY 2018 OCO | FY 2018 Total | FY 2019 | FY 2020 | FY 2021 | FY 2022 | Cost To Complete | Total Cost |
|--|----------------|----------------|---------------------|--------------------|----------------------|----------------|----------------|----------------|----------------|-------------------------|-------------------|
| • GMLRS (C64400): <i>GMLRS (C64400)</i> | 251.060 | 402.579 | 273.445 | 189.544 | 462.989 | 180.409 | 319.623 | 268.534 | 358.795 | Continuing | Continuing |
| • Guided MLRS (EG3): <i>Guided MLRS (EG3)</i> | 35.726 | 38.044 | 102.807 | - | 102.807 | 164.015 | 119.654 | 36.965 | 40.861 | Continuing | Continuing |
| • GMLRS MOD (C57701): <i>GMLRS MOD (C57701)</i> | 5.321 | 0.395 | 0.531 | - | 0.531 | 0.269 | 15.530 | 53.182 | 101.854 | Continuing | Continuing |

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| Exhibit R-2A, RDT&E Project Justification: FY 2018 Army | | | | | | | | Date: May 2017 | | | | |
| Appropriation/Budget Activity 2040 / 7 | | | | R-1 Program Element (Number/Name) PE 0205778A / <i>Guided Multiple-Launch Rocket System (GMLRS)</i> | | | | Project (Number/Name) EG2 / <i>GMLRS Alternative Warheads</i> | | | | |
| C. Other Program Funding Summary (\$ in Millions) | | | | | | | | | | | | |
| | <u>Line Item</u> | <u>FY 2016</u> | <u>FY 2017</u> | <u>FY 2018</u> <u>Base</u> | <u>FY 2018</u> <u>OCO</u> | <u>FY 2018</u> <u>Total</u> | <u>FY 2019</u> | <u>FY 2020</u> | <u>FY 2021</u> | <u>FY 2022</u> | <u>Cost To</u> <u>Complete</u> | <u>Total Cost</u> |
| Remarks | | | | | | | | | | | | |
| GMLRS procurement funding includes C65404 and C65406. | | | | | | | | | | | | |
| D. Acquisition Strategy | | | | | | | | | | | | |
| GMLRS AW is currently in Full Rate Production. | | | | | | | | | | | | |
| E. Performance Metrics | | | | | | | | | | | | |
| N/A | | | | | | | | | | | | |

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| Exhibit R-2A, RDT&E Project Justification: FY 2018 Army | | | | | | | | | | Date: May 2017 | | |
| Appropriation/Budget Activity 2040 / 7 | | | | | R-1 Program Element (Number/Name) PE 0205778A / Guided Multiple-Launch Rocket System (GMLRS) | | | | Project (Number/Name) EG3 / Guided MLRS | | | |
| COST (\$ in Millions) | Prior Years | FY 2016 | FY 2017 | FY 2018 Base | FY 2018 OCO | FY 2018 Total | FY 2019 | FY 2020 | FY 2021 | FY 2022 | Cost To Complete | Total Cost |
| EG3: Guided MLRS | - | 35.726 | 38.044 | 102.807 | - | 102.807 | 164.015 | 119.654 | 36.965 | 40.861 | Continuing | Continuing |
| Quantity of RDT&E Articles | - | - | - | - | - | - | - | - | - | - | | |

A. Mission Description and Budget Item Justification

The United States (U.S.) Army continues to explore ways to enhance Guided Multiple Launch Rocket System (GMLRS) rockets and common components and to mitigate obsolescence issues under the Guided MLRS project code. The Army is requesting funding for the following GMLRS Research, Development, Test and Evaluation (RDT&E) activities: (1) evaluation of enhanced operational capabilities to provide more flexibility across the target set to include increased range, flight performance, and end-game optimization; (2) investigation of potential life cycle cost savings through obsolescence initiatives; (3) development of enhancements to the Multiple Launch Rocket System (MLRS) common test equipment; (4) evaluation and development of technologies to enhance overall product performance and survivability; and (5) Insensitive Munitions (IM) compliance.

The FY2018 dollars in the amount of \$102.807 million will complete the testing and qualification of the Insensitive Munitions Propulsion System (IMPS); continue qualification of key rocket obsolescence upgrades (including the M-Code compliant NAVSTRIKE-M upgrade); evaluate rocket pod improvements; and initiate the design, qualification and testing of an extended range variant of the GMLRS.

B. Accomplishments/Planned Programs (\$ in Millions)

| | FY 2016 | FY 2017 | FY 2018 Base | FY 2018 OCO | FY 2018 Total |
|---|----------------|----------------|---------------------|--------------------|----------------------|
| Title: Assess and improve GMLRS rockets. | 2.409 | 3.192 | 4.104 | - | 4.104 |
| Description: Funding is provided for the following effort | | | | | |
| FY 2016 Accomplishments: Continued to assess and evaluate improvements in rocket reliability, increased range, reduced collateral damage, effectiveness, and pod enhancement studies. | | | | | |
| FY 2017 Plans: Continue to assess and evaluate improvements in rocket reliability, increased range, collateral damage, effectiveness, and pod enhancements. | | | | | |
| FY 2018 Base Plans: Investigate and assess methods to increase range performance and rocket effectiveness. Evaluate rocket pod improvements, assess rocket reliability, and reduce collateral damage. | | | | | |
| Title: Conduct qualification and testing for Insensitive Munitions (IM) Propulsion System (IMPS). | 22.951 | 13.827 | 10.404 | - | 10.404 |

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| Appropriation/Budget Activity 2040 / 7 | R-1 Program Element (Number/Name) PE 0205778A / Guided Multiple-Launch Rocket System (GMLRS) | Project (Number/Name) EG3 / Guided MLRS | | | | |
| B. Accomplishments/Planned Programs (\$ in Millions) | | FY 2016 | FY 2017 | FY 2018 Base | FY 2018 OCO | FY 2018 Total |
| Description: Funding is provided for the following effort FY 2016 Accomplishments: Continued System Integration Testing and Stockpile-to-Target-Sequence test efforts. Supported the qualification of a second Insensitive Munitions Propulsion System (IMPS) source (supported both component/system System Requirements Reviews (SRRs), Preliminary Design Reviews (PDRs), Critical Design Reviews (CDRs), procured approximately 125 Ignition Safety Devices (ISDs) and 60-90 IM rocket motors, paid for the component assembly and component level qualification testing, supported component/rocket integration, system level integration tests, and eventually flight tests). FY 2017 Plans: Propulsion system ground/flight tests. FY 2018 Base Plans: Complete system ground/flight testing and Insensitive Munition Propulsion System (IMPS) qualification. | | | | | | |
| Title: Investigate obsolescence cost/cost reduction opportunities/second source suppliers/survivability. Description: Funding is provided for the following effort (The NAVSTRIKE GPS Receiver provides tightly coupled GPS/INS integration. Rockwell Collins has stopped producing the NAVSTRIKE 3.3). FY 2016 Accomplishments: Initiated design and qualification of NAVSTRIKE 3.7 obsolescence upgrade. FY 2017 Plans: Continue qualification of NAVSTRIKE 3.7 obsolescence upgrade. FY 2018 Base Plans: Design and qualification of M-Code compliant NAVSTRIKE-M upgrade. System level integration and qualification of side-mounted proximity sensor. | | 1.549 | 18.505 | 7.417 | - | 7.417 |
| Title: Conduct System Test and Evaluation activities. Description: Funding is provided for the following effort FY 2016 Accomplishments: | | 8.817 | 2.520 | 2.590 | - | 2.590 |

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| Appropriation/Budget Activity 2040 / 7 | | | | R-1 Program Element (Number/Name) PE 0205778A / <i>Guided Multiple-Launch Rocket System (GMLRS)</i> | | | | Project (Number/Name) EG3 / <i>Guided MLRS</i> | | | |
| B. Accomplishments/Planned Programs (\$ in Millions) | | | | | | | | | | | |
| | | | | FY 2016 | FY 2017 | FY 2018 Base | FY 2018 OCO | FY 2018 Total | | | |
| Continued configuration definition and ground testing for the GMLRS IM Rocket Motor and Ignition Safety Device. | | | | | | | | | | | |
| FY 2017 Plans: Continue configuration ground control testing for the GMLRS IM RM and ISD. | | | | | | | | | | | |
| FY 2018 Base Plans: Ground/Flight testing of side-mounted proximity sensor. | | | | | | | | | | | |
| Title: Qualification and integration of the GMLRS extended range effort. | | | | - | - | 78.292 | - | 78.292 | | | |
| Description: Funding is provided for the following effort | | | | | | | | | | | |
| FY 2018 Base Plans: Define system performance requirements, select component suppliers, conduct facilitization planning, conduct preliminary design review, and conduct a flight demonstration. | | | | | | | | | | | |
| Accomplishments/Planned Programs Subtotals | | | | 35.726 | 38.044 | 102.807 | - | 102.807 | | | |
| C. Other Program Funding Summary (\$ in Millions) | | | | | | | | | | | |
| Line Item | FY 2016 | FY 2017 | FY 2018 Base | FY 2018 OCO | FY 2018 Total | FY 2019 | FY 2020 | FY 2021 | FY 2022 | Cost To Complete | Total Cost |
| • GMLRS (C64400): GMLRS (C64400) | 251.060 | 402.579 | 273.445 | 189.544 | 462.989 | 180.409 | 319.623 | 268.534 | 358.795 | Continuing | Continuing |
| • GMLRS Alternative Warheads (EG2): GMLRS Alternative Warheads (EG2) | 0.306 | - | - | - | - | - | 11.700 | 14.700 | 24.700 | Continuing | Continuing |
| • GMLRS MOD (C57701): GMLRS MOD (C57701) | 5.321 | 0.395 | 0.531 | - | 0.531 | 0.269 | 15.530 | 53.182 | 101.854 | Continuing | Continuing |
| Remarks GMLRS Procurement funding includes C65404 and C65406. | | | | | | | | | | | |
| D. Acquisition Strategy Project EG3 is intended to support, investigate, and develop alternative material changes to improve the GMLRS family of munitions as they are identified by the material developer or combat developer. This project also supports IM activities to improve the overall posture of the system down to component level. Two Insensitive Munition Propulsion Systems (Rocket Motor and Ignition Safety Device) suppliers will complete design and qualification, and the IMPS will be integrated into the GMLRS | | | | | | | | | | | |

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| Appropriation/Budget Activity 2040 / 7 | R-1 Program Element (Number/Name) PE 0205778A / <i>Guided Multiple-Launch Rocket System (GMLRS)</i> | Project (Number/Name) EG3 / <i>Guided MLRS</i> |
| <p>rocket. Design, development, and qualification of a side-mounted proximity sensor will provide a cost reduction initiative and improved area munition lethality. The GMLRS extended range effort will be a 36 month development and qualification effort leveraging existing contract vehicles where practicable.</p> <p><u>E. Performance Metrics</u> N/A</p> | | |

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|---|------------------------|--|-------------|---------|------------|---|------------|--------------|------------|--|------------|----------------|------------------|------------|--------------------------|
| Exhibit R-3, RDT&E Project Cost Analysis: FY 2018 Army | | | | | | | | | | | | Date: May 2017 | | | |
| Appropriation/Budget Activity 2040 / 7 | | | | | | R-1 Program Element (Number/Name) PE 0205778A / Guided Multiple-Launch Rocket System (GMLRS) | | | | Project (Number/Name) EG3 / Guided MLRS | | | | | |
| Management Services (\$ in Millions) | | | | FY 2016 | | FY 2017 | | FY 2018 Base | | FY 2018 OCO | | FY 2018 Total | | | |
| Cost Category Item | Contract Method & Type | Performing Activity & Location | Prior Years | Cost | Award Date | Cost | Award Date | Cost | Award Date | Cost | Award Date | Cost | Cost To Complete | Total Cost | Target Value of Contract |
| Government Program Management | MIPR | PFRMS Project Office, : RSA | 0.050 | 2.104 | Oct 2015 | 2.721 | Oct 2016 | 5.425 | Oct 2017 | - | | 5.425 | Continuing | Continuing | Continuing |
| Subtotal | | | 0.050 | 2.104 | | 2.721 | | 5.425 | | - | | 5.425 | - | - | - |
| Remarks PFRMS-Precision Fires Rocket and Missile Systems; RSA-Redstone Arsenal, Alabama | | | | | | | | | | | | | | | |
| Product Development (\$ in Millions) | | | | FY 2016 | | FY 2017 | | FY 2018 Base | | FY 2018 OCO | | FY 2018 Total | | | |
| Cost Category Item | Contract Method & Type | Performing Activity & Location | Prior Years | Cost | Award Date | Cost | Award Date | Cost | Award Date | Cost | Award Date | Cost | Cost To Complete | Total Cost | Target Value of Contract |
| Unitary Contracts/Multiple | SS/FPIF | LMMFCS : Dallas, TX | 8.998 | 8.287 | Jan 2016 | 18.976 | Jan 2017 | 8.629 | Jan 2018 | - | | 8.629 | Continuing | Continuing | Continuing |
| IM Qualification Contracts/ Multiple | C/FPIF | Orbital ATK, Aerojet Rocketdyne : Rocket Center, WV; Bristow, VA | 0.000 | 16.518 | Jan 2016 | 13.827 | Jan 2017 | 10.404 | Jan 2018 | - | | 10.404 | 0.000 | 40.749 | 0.000 |
| GMLRS Extended Range | SS/TBD | TBD : TBD | 0.000 | - | | - | | 75.759 | Jan 2018 | - | | 75.759 | Continuing | Continuing | Continuing |
| Subtotal | | | 8.998 | 24.805 | | 32.803 | | 94.792 | | - | | 94.792 | - | - | - |
| Remarks SS/FPIF-Sole Source/Fixed-Price Incentive Firm; LMMFCS - Lockheed Martin Missile and Fire Control System; TX - Texas; C/FPIF - Competitive/Fixed-Price Incentive Firm; WV - West Virginia; VA - Virginia; TBD - To Be Determined | | | | | | | | | | | | | | | |
| Test and Evaluation (\$ in Millions) | | | | FY 2016 | | FY 2017 | | FY 2018 Base | | FY 2018 OCO | | FY 2018 Total | | | |
| Cost Category Item | Contract Method & Type | Performing Activity & Location | Prior Years | Cost | Award Date | Cost | Award Date | Cost | Award Date | Cost | Award Date | Cost | Cost To Complete | Total Cost | Target Value of Contract |
| Test Support | MIPR | WSMR, : NM | 1.989 | 8.817 | Oct 2015 | 2.520 | Oct 2016 | 2.590 | Oct 2017 | - | | 2.590 | Continuing | Continuing | Continuing |
| Subtotal | | | 1.989 | 8.817 | | 2.520 | | 2.590 | | - | | 2.590 | - | - | - |

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PE 0205778A: Guided Multiple-Launch Rocket System (GM...
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| Exhibit R-4, RDT&E Schedule Profile: FY 2018 Army | | | | | | | | | | | | | | | | | | | | Date: May 2017 | | | | | | | | |
|--|-------------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|--|---|----------------|---------|---|---|---|---------|---|---|---|
| Appropriation/Budget Activity 2040 / 7 | | | | | | | | | | R-1 Program Element (Number/Name) PE 0205778A / Guided Multiple-Launch Rocket System (GMLRS) | | | | | | | | Project (Number/Name) EG3 / Guided MLRS | | | | | | | | | | |
| Event Name | FY 2016 | | | | FY 2017 | | | | FY 2018 | | | | FY 2019 | | | | FY 2020 | | | | FY 2021 | | | | FY 2022 | | | |
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Assess and improve GMLRS rockets | <div></div> | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Obsolescence/Cost Reduction Opportunities and Second Source Supply | <div></div> | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <div></div> | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NAVSTRIKE 3.7 Qualification | <div></div> | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M-Code/NAVSTRIKE-M Qualification | <div></div> | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| System Qual and testing of Side Mounted Proximity Sensor | <div></div> | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Conduct qualification and testing for IMPS program | <div></div> | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Conduct System Test and Evaluation activities | <div></div> | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Qualification and Integration of GMLRS extended range effort | <div></div> | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| Exhibit R-4A, RDT&E Schedule Details: FY 2018 Army | | | Date: May 2017 |
| Appropriation/Budget Activity 2040 / 7 | R-1 Program Element (Number/Name) PE 0205778A / <i>Guided Multiple-Launch Rocket System (GMLRS)</i> | Project (Number/Name) EG3 / <i>Guided MLRS</i> | |

Schedule Details

| Events | Start | | End | |
|---|----------------|-------------|----------------|-------------|
| | Quarter | Year | Quarter | Year |
| Assess and improve GMLRS rockets | 1 | 2015 | 4 | 2022 |
| Obsolescence/Cost Reduction Opportunities and Second Source Suppliers | 1 | 2015 | 4 | 2022 |
| NAVSTRIKE 3.7 Qualification | 1 | 2016 | 2 | 2017 |
| M-Code/NAVSTRIKE-M Qualification | 3 | 2018 | 4 | 2020 |
| System Qual and testing of Side Mounted Proximity Sensor | 1 | 2018 | 3 | 2018 |
| Conduct qualification and testing for IMPS program | 1 | 2015 | 3 | 2018 |
| Conduct System Test and Evaluation activities | 4 | 2015 | 3 | 2018 |
| Qualification and Integration of GMLRS extended range effort | 2 | 2018 | 1 | 2021 |